

## EMT139 : Introduction To Emergency Medical Services

### General Information

Author:	<ul style="list-style-type: none"><li>Kohar Kesian</li></ul>
Attachments:	DE Addendum_EMT_139 (CE) COR_9:30:2020 CoDE_5:28:2024.pdf
Course Code (CB01) :	EMT139
Course Title (CB02) :	Introduction To Emergency Medical Services
Department:	EMT
Proposal Start:	Summer 2025
TOP Code (CB03) :	(1250.00) Emergency Medical Services
CIP Code:	(51.0904) Emergency Medical Technology/Technician (EMT Paramedic).
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000598405
Curriculum Committee Approval Date:	10/23/2024
Board of Trustees Approval Date:	12/17/2024
Last Cyclical Review Date:	10/23/2024
Course Description and Course Note:	EMT 139 expands on teachings of EMT 138 about foundational concepts related to the emergency medical care of sick and injured persons. This course is designed for students interested in pursuing emergency medical services or other healthcare occupations as a career. Students learn the framework of EMS, as well as the unique challenges of ethical dilemmas and stress management in the emergency setting. Successful completion of the class includes certification in cardiopulmonary resuscitation (CPR) for healthcare providers from the American Heart Association (AHA). Note: EMT 139 may not be taken concurrently with EMT 140.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none"><li>Credit</li></ul>
Mode of Delivery:	<ul style="list-style-type: none"><li>In-Person</li></ul>
Author:	<ul style="list-style-type: none"><li>Kohar Kesian</li></ul>
Course Family:	No value

### Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"><li>Emergency Medical Technologies</li></ul>
Alternate Discipline:	No value
Alternate Discipline:	No value

## Course Development

### Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

### Course Special Class Status (CB13)

Course is not a special class.

### Pre-Collegiate Level (CB21)

Not applicable.

### Grading Basis

- Grade with Pass / No-Pass Option

### Course Support Course Status (CB26)

Course is not a support course

## General Education and C-ID

### General Education Status (CB25)

Not Applicable

### Transferability

Transferable to CSU only

### Transferability Status

Pending

## Units and Hours

### Summary

<b>Minimum Credit Units (CB07)</b>	3
<b>Maximum Credit Units (CB06)</b>	3
<b>Total Course In-Class (Contact) Hours</b>	54
<b>Total Course Out-of-Class Hours</b>	108
<b>Total Student Learning Hours</b>	162

### Credit / Non-Credit Options

#### Course Type (CB04)

Credit - Degree Applicable

#### Noncredit Course Category (CB22)

Credit Course.

#### Noncredit Special Characteristics

No Value

#### Course Classification Code (CB11)

Credit Course.

Variable Credit Course

#### Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience Education

Status (CB10)

### Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

### Course Student Hours

<b>Course Duration (Weeks)</b>	18
<b>Hours per unit divisor</b>	54
<b>Course In-Class (Contact) Hours</b>	
Lecture	54

Laboratory	0
Studio	0
<b>Total</b>	54

**Course Out-of-Class Hours**

Lecture	108
Laboratory	0
Studio	0
<b>Total</b>	108

**Time Commitment Notes for Students**

No value

**Units and Hours - Weekly Specialty Hours**

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

**Pre-requisites, Co-requisites, Anti-requisites and Advisories**

**Advisory**

BIOL115 - Human Biology

Objectives

- Identify the body systems, their organs and functions;
- Recognize the primary tissues of the human body and their relationship to body organs;
- Explain the homeostatic mechanisms of human organ systems;
- Describe the cause and effect of selected major diseases and conditions of the human body;
- Describe the scientific method and apply it to the homeostasis of the human body;
- Correctly use basic body directional terminology;
- Explain the effects of heredity, development and aging on homeostasis.

**OR**

## Entry Standards

Entry Standards

Description

No value

No value

## Course Limitations

Cross Listed or Equivalent Course

Description

No value

No value

## Specifications

Methods of Instruction

Methods of Instruction

Lecture

Methods of Instruction

Discussion

Methods of Instruction

Multimedia

Methods of Instruction

Collaborative Learning

Methods of Instruction

Demonstrations

## Out of Class Assignments

- Identify in writing a list of skills and tasks that can be performed by EMT in California, not including items from the advanced scope of practice using Title 22
- Summarize what HIPPA is and how does it apply to EMT's
- Reading review, quizzes and testing using MyBradyLab
- Practice examinations on EMSTESTING.com

Methods of Evaluation

Rationale

Exam/Quiz/Test	Final examination
Exam/Quiz/Test	Demonstration of required skills for AHA CPR certification
Exam/Quiz/Test	Demonstration of proper form and procedure in practical skill demonstration sessions
Exam/Quiz/Test	Unit exams, e.g. anatomy and physiology examination

### Textbook Rationale

No Value

### Textbooks

Author	Title	Publisher	Date	ISBN
Mary F. Hazinski	BLS for Healthcare Providers (Student Manual)	American Heart Association	2020	978-1-6697686
Joseph Mistovich, et al	Prehospital Emergency Care	Pearson/Prentice Hall	2023	978-0-13-8223861

### Other Instructional Materials (i.e. OER, handouts)

No Value

### Materials Fee

No value

## Learning Outcomes and Objectives

### Course Objectives

Discuss the structure and significance of the Emergency Medical Services (EMS) system.

Explain the ethical responsibilities of healthcare providers.

Describe the structure and general functions of various body systems.

Describe the signs and symptoms of common communicable diseases encountered in various emergency settings.

Demonstrate the appropriate techniques for using personal protective equipment to reduce the risk for acquiring a communicable disease.

Discuss the various emotional reactions an EMS provider may encounter during the care of sick or injured persons from diverse populations.

Describe the use of evidence-based research in emergency medical care.

Demonstrate the various techniques of resuscitation for the neonate, infant, child, and adult.

## SLOs

**Apply the anatomy and physiology of the following major body systems: respiratory, circulatory, musculoskeletal, nervous, and endocrine to situational pathophysiology of sick and injured.** Expected Outcome Performance: 70.0

*ILOs*  
Core ILOs Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

*EMT*  
Emergency Medical Technician Skill Award administer appropriate emergency medical care based on assessment findings of the patient's condition

recognize the nature and seriousness of the patient's condition or extent of injuries, of adults, children, infants, and newborns to assess requirements for emergency medical care and transport;

*EMT*  
Introduction to Emergency Medical Services Skill Award apply the anatomy and physiology of the following major body systems: respiratory, circulatory, musculoskeletal, nervous, and endocrine to situational pathophysiology of sick and injured;

**Assess and identify adult, children, infants, and neonates in respiratory and cardiac inadequacies and perform the appropriate assistive treatments according to the American Heart Association Health Care Provider Standards.** Expected Outcome Performance: 70.0

*ILOs*  
Core ILOs Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

*EMT*  
Emergency Medical Technician Skill Award administer appropriate emergency medical care based on assessment findings of the patient's condition

recognize the nature and seriousness of the patient's condition or extent of injuries, of adults, children, infants, and newborns to assess requirements for emergency medical care and transport;

*EMT*  
Introduction to Emergency Medical Services Skill Award assess and identify adult, children, infants, and neonates in respiratory and cardiac inadequacies and perform the appropriate assistive treatments according to the American Heart Association Health Care Provider Standards;

**Recognize the emotional, physical, and pathological hazards of the EMT's working environment.** Expected Outcome Performance: 70.0

*ILOs*  
Core ILOs Practice ethical and responsible behavior within personal, academic, professional, social, and societal contexts; recognize and welcome diverse lifestyle choices that promote physical, intellectual, psychological, and social well-being.

*EMT*  
Emergency Medical Technician Skill Award perform safely and effectively the expectations of the EMT-Basic job description;

*EMT*  
Emergency Medical Responder Skill Award recognize the emotional, physical, pathological hazards of the EMT's working environment;

*EMT*  
Introduction to Emergency  
Medical Services Skill Award

recognize the emotional, physical, pathological hazards of the EMT's working environment; will be able to identify, discuss, and define medical legal conditions that apply to the EMT's working environment;

**Identify, discuss and define the medical legal conditions that apply to the EMT-Basic working environment.**

Expected Outcome Performance: 70.0

*ILOs*  
Core ILOs

Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.

*EMT*  
Introduction to Emergency Medical  
Services Skill Award

identify, discuss and define the medical legal conditions that apply to the EMT-Basic working environment

*EMT*  
Emergency Medical Responder Skill  
Award

identify, discuss, and define medical legal conditions that apply to the EMT's working environment;

*EMT*  
Emergency Medical Technician Skill  
Award

perform safely and effectively the expectations of the EMT-Basic job description;

**Describe the Emergency Medical Services (EMS) Systems and differentiate the roles and responsibilities of the EMT from other pre-hospital care providers using the California specific statutes and regulations.**

Expected Outcome Performance: 70.0

*ILOs*  
Core ILOs

Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.

*EMT*  
Introduction to Emergency Medical  
Services Skill Award

describe the Emergency Medical Services (EMS) Systems and differentiate the roles and responsibilities of the EMT from other pre-hospital care providers using the California specific statutes and regulations

*EMT*  
Emergency Medical Responder Skill  
Award

describe the Emergency Medical Services (EMS) Systems and differentiate the roles and responsibilities of the EMT from other pre-hospital care providers using the California specific statutes and regulations;

*EMT*  
Emergency Medical Technician Skill  
Award

perform safely and effectively the expectations of the EMT-Basic job description;

## Additional SLO Information

**Does this proposal include revisions that might improve student attainment of course learning outcomes?**

No

**Is this proposal submitted in response to learning outcomes assessment data?**

No

**If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.**

No Value

**SLO Evidence**

No Value

## Course Content

### Lecture Content

#### **Preparatory/Public Health in Emergency Medical Services (4 hours)**

- Overview of course
- Historical perspective, the history of mistrust of the medical system among people of color, people with disabilities, and older people and how it may affect their willingness to adhere to the direction of EMT professionals
- The EMS system today
- Roles of EMS providers
- Research and EMS care
- Public health role of EMS

#### **Medical, Legal, and Ethical Issues (6 hours)**

- Discussion of applicable terminology
- Legal framework of prehospital practice
- Scenario-based situational discussion, including the impact of working with diverse populations (race, culture, age, socioeconomic status, language, ability/disability, mental health, and cognitive differences)

#### **Workforce Safety and Wellness of the EMT (6 hours)**

- Patient responses to stressful situations
- Identification of patient stress and management of assaultive behavior
- Identification and management of EMS job-related stress, possible implicit biases/stereotypes/prejudice from both the patient and EMT standpoints

#### **Communicable Diseases (6 hours)**

- Bacterial and viral pathogens common in the prehospital setting
- Signs and symptoms of common communicable diseases
- Self protection and prevention of communicable diseases transmission

#### **Orientation to Human Body for the Emergency Medical Technician (20 hours)**

- Surface anatomy, Anatomical terms
- The Musculoskeletal System
- The Respiratory System
- The Nervous System
- The Endocrine System
- The Digestive System
- The Urinary/Renal System
- The Reproductive System

#### **Cardiopulmonary Resuscitation (12 hours)**

- Management of neonatal, pediatric, and adult cardiac and respiratory emergencies
- Utilization of various equipment and barrier devices used for ventilation

**Total=54 hours**

## Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

### **GCC Major Requirements**

No Value

### **GCC General Education Graduation Requirements**

No Value

### **Repeatability**

Not Repeatable

**Justification (if repeatable was chosen above)**

No Value

## Resources

**Did you contact your departmental library liaison?**

No

**If yes, who is your departmental library liaison?**

Susie Chin (Biology, English, Health Sciences)

**Did you contact the DEIA liaison?**

Yes

**Were there any DEIA changes made to this outline?**

Yes

**If yes, in what areas were these changes made:**

- Exit Standards

**Will any additional resources be needed for this course? (Click all that apply)**

- No

**If additional resources are needed, add a brief description and cost in the box provided.**

No Value